

Amendments To The Claims:

1. (Canceled)
2. (Previously Presented) The vascular graft of claim 3 further including a radially distensible stent positioned axially about said PTFE matrix.
3. (Previously Presented) A tubular extrudate comprising:
an interpenetrating polymer network comprising a non-expanded PTFE matrix having no node and fibril structure, said matrix having distributed therein discrete domains of a solid extractable polymeric material,
wherein upon exposure to sufficient dissolving medium or degradation temperature, said extractable polymeric material is extracted from said matrix to create pores in said tubular extrudate which upon implantation in a bodily vessel permit tissue ingrowth, said porous tubular extrude having a bulk density of between 0.2 and 0.5 g/cc.
- 4-20 (Canceled)
21. (Previously presented) The tubular extrudate according to Claim 3, wherein said extractable polymeric material comprises silicone.
22. (Previously presented) The tubular extrudate according to Claim 3, wherein said extractable polymeric material is particulate and has a particle size of about 5 to 100 microns.
23. (Canceled)
24. (Currently Amended) A tubular PTFE extrudate consisting essentially of:
an interpenetrating polymer network comprising a non-expanded PTFE resin formed in the shape of a tube, the non-expanded PTFE resin having no node and fibril structure and a solid particulate polymeric component which is incompatible with said non-expanded PTFE resin,
wherein discrete domains of said polymeric component are distributed throughout said non-expanded PTFE resin and are extractable therefrom to create pores in said PTFE resin which upon implantation in a bodily vessel permit tissue ingrowth.
- 25-26. (Canceled)
27. (Previously presented) The PTFE extrudate according to Claim 24, wherein said solid extractable polymeric component comprises silicone.

28. (Previously Presented) The PTFE extrudate of claim 24 wherein said solid particulate polymeric component is cross-linked.

29. (Previously Presented) The tubular extrudate of claim 3 wherein said solid extractable polymeric material is cross-linked.

30. (Currently Amended) The tubular extrudate of claim 3 further comprising a ~~said~~ dissolving medium.

31. (Currently Amended) A PTFE based material consisting essentially of:
an interpenetrating polymer network comprising a non-expanded PTFE resin having no node and fibril structure;
a solid particulate polymeric component which is incompatible with said non-expanded PTFE resin, and
a dissolving medium in which said solid particulate polymeric component is soluble,

wherein discrete domains of said polymeric component are distributed throughout said non-expanded PTFE resin and are extractable therefrom to create pores in said PTFE resin.

32. (New) A PTFE based tubular graft comprising:

a porous tubular graft, wherein the porous tubular graft is formed of porous PTFE which has been subjected to expansion and sintering wherein the porous tubular graft is characterized as having a density of less than 0.2 g/cc.